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AS25274

FEDERAL SUPPLY CLASS
5999

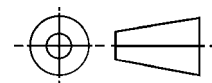
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THIRD ANGLE PROJECTION



ISSUED 2001-08

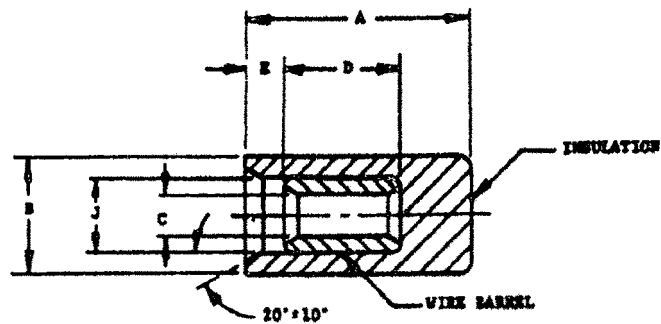
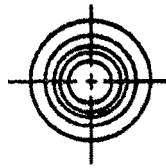
CUSTODIAN: SAE AE-8/AE-8D

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Land Sea Air and Space®
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AEROSPACE STANDARD

CAP. ELECTRICAL (WIRE END, CRIMP STYLE,
TYPE II, CLASS 1) FOR 105°C TOTAL
CONDUCTOR TEMPERATURE

AS25274
SHEET 1 OF 3



DASH NO.	WIRE SIZE	A MAX	B MAX	C		D MAX	E MIN	J MAX	COLOR CODE	MIN TENSILE VALUES	
				MAX	MIN					LB.	Kg.-2722
-1	26-24	.480	.215	.035	.027	.305	.082	.145	YELLOW	5.0	0.6915
-2	22-18		.215	.064	.050			.145	RED	15.0	2.0745
-3	16-14		.245	.090	.080			.170	BLUE	25.0	3.4575
-4	12-10		.315	.140	.129	.345		.225	YELLOW	35.0	4.8405

REQUIREMENTS:

1. MATERIAL: METAL SLEEVE: SOFT COPPER, QQ-C-502, CLASS A, BRONZE, COMMERCIAL, ASTM B140 ALLOY B, OR SINTERED BRASS, MIL-B-12128. COMPOSITION 3, CLASS A, OR ASTM B-282-60 CLASS A. INSULATING SLEEVE, THERMOPLASTIC (NYLON OR POLYETHYLENE).
2. FINISH: METAL SLEEVE: TIN PLATED, SEE ACQUISITION SPECIFICATION.
3. CONTOUR MAY VARY FROM THAT SHOWN.
4. TENSILE STRENGTH TEST: MECHANICAL CONNECTION OF WIRE BARREL AND INSULATOR TO CONDUCTOR SHALL MEET MINIMUM TENSILE REQUIREMENTS. THE INSULATING SLEEVE SHALL NOT SLIP MORE THAN .031 AT THESE VALUES.
5. QUALIFICATION: FOR QUALIFICATION, END CAPS SHALL BE SUBJECTED TO TEST GROUPS I, IV, V, VII AND VIII OF TABLE V SPECIFIED IN MIL-T-7928 AND MINIMUM TENSILE VALUES SHOWN ABOVE. END CAPS SHALL BE TESTED WITH MIL-W-5086, MIL-W-16878, MIL-V-22759/1, MIL-W-22759/9, MIL-W-22759/11, MIL-W-81381/1, MIL-W-81381/3 OR MIL-W-81381/7 WIRE, AND TOOLING AS FOLLOWS:

MIL-C-22520/5-01 TOOLING WITH MIL-C-22520/5-100 DIES INSTALLED FOR SIZES 26 THRU 14 END CAPS; OR MIL-C-22520/10-01 TOOLING WITH MIL-C-22520/10-101 DIES INSTALLED FOR SIZES 26 THRU 14 END CAPS AND MIL-C-22520/10-100 DIES INSTALLED FOR SIZES 12 THRU 10 END CAPS. EXISTING MS90413 AND MS3316 TOOLS IN THE FIELD MAY BE USED UNTIL WORN OUT.

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

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INCH	MM	INCH	MM
.027	0.69	.145	3.68
.031	0.79	.170	4.32
.035	0.89	.215	5.46
.050	1.27	.229	5.82
.064	1.63	.245	6.22
.080	2.03	.305	7.75
.082	2.08	.315	8.00
.090	2.29	.345	8.76
.129	3.28	.480	12.19
.140	3.56		

AEROSPACE STANDARD

CAP. ELECTRICAL (WIRE END, CRIMP STYLE,
TYPE II, CLASS 1) FOR 105°C TOTAL
CONDUCTOR TEMPERATURE

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SHEET 3 OF 3